

ABC Project Highlights

Project Name: I-80; 2300 East Bridge

Project #/PIN #: F-180-3(148)128 / 6591

Year Constructed: 2009

ABC Element(s): Precast Super Structure

Placement Method: Slide-in

Contracting Method: Design-Build

Project Description: The I-80; 2300 East bridges were substantially complete 180 days after notice to proceed. This aggressive design and construction resulted in the replacement of the existing three-lane eastbound and westbound bridges on I-80 over 2300 East in Salt Lake County. The project was an accelerated bridge construction (ABC) project, and the bridges were moved into place with 8-hour closures for each direction. The abutments are post-tensioned and were constructed under the existing bridges while they were still in service. Each of the new superstructures were constructed on temporary abutments adjacent to the existing bridges. Lightweight concrete was used for the decks and abutments to reduce loads. I-80 was closed at night for an eight-hour period in each direction. During each closure the existing bridge was demolished and the new superstructure along with the approach slabs was slid into place off the temporary abutments and onto the new abutments. The westbound bridge was also required to be built 5-ft higher that its final position to allow for vertical clearance for the westbound on-ramp during the construction of the superstructure. The ramp was closed and the bridge was jacked down prior to the slide.











